



ANNUAL REPORT

OF THE

Department of Public Works

OF THE

PROVINCE OF ALBERTA

1934-35

PUBLISHED BY ORDER OF THE LEGISLATIVE ASSEMBLY

EDMONTON

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1935

Edmonton, March 31, 1935.

To His Honour

W. L. WALSH,

Lieutenant Governor of the Province of Alberta.

SIR :

The undersigned has the honour to submit herewith the Report of the Department of Public Works for the fiscal year ending March 31, 1935.

Respectfully submitted,

J. J. MACLELLAN,

Minister of Public Works.

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REPORT

OF THE

DEPUTY MINISTER OF PUBLIC WORKS

For the Fiscal Year Ending March 31st, 1935.

HON. J. J. MACLELLAN,
Minister of Public Works.

SIR:

I have the honour to submit herewith the report of the Department of Public Works, for the fiscal year ending March 31st, 1935.

HIGHWAYS.—The mileage of main highway maintained was 3,418.28, being practically the same as that for the previous year. Approximately 1,600 miles were kept open during the winter months by snow removal. Heavy snowfall considerably increased the difficulties of this work. The sum of \$172,298.08 was expended in Capital Grants to Municipal Districts. The renewal of this policy on part of the Government was greatly appreciated by the districts concerned and should accomplish a great deal in the way of improving the district highways of the Province.

A very heavy programme was carried out by the Main Highways Construction Branch. Contracts were let and carried to completion for 143.96 miles—1st Course Gravel surfacing, and 285.80 miles—2nd Course on Main Highways, and 141.58 miles of 2nd Course on Secondary Highways. In addition to this there were 111.06 miles of gravel replacement on Main Highways, making a total mileage of 682.40 of gravel surfacing as compared with a total of 276.96 miles for the previous year.

Contracts were also let for the construction of 182.71 miles of Standard Grade on Main Highways and 29.60 on Secondary Highways. Reference to the Main Highways report will show that only a small percentage of this work was carried to completion due to an unusual amount of wet weather and an early winter. The Provincial Highway system now includes 2,166 miles gravel surfaced roads and 70 miles of bituminized gravel.

Twenty-three steel bridges and 162 timber bridges were constructed.

The report of the Director of Surveys again shows an increase in the number of surveys outstanding.

BUILDINGS.—No major construction work was undertaken during the year. All public buildings and grounds have been maintained in accordance with standard requirements.

Notwithstanding the increased demand at all Institutions the service rendered by the various power plants has been well maintained.

PROVINCIAL GAOLS.—The reports of the Wardens will show that these Institutions have been administered in the usual efficient and satisfactory manner. There was a decrease of 24.9 in the daily average Gaol population, and a decrease of 661 in the number of prisoners admitted over that of the previous year.

PUBLIC VEHICLES.—The report of the Chief Clerk reveals an extension and improvement of Bus Service over the Highways of the Province.

Respectfully submitted,

H. P. KEITH,
Deputy Minister.

**MAIN HIGHWAYS MAINTENANCE
DISTRICT HIGHWAYS AND LOCAL ROADS
FERRY OPERATION AND MAINTENANCE, REPLACEMENTS
AND INSTALLATIONS**

(H. P. KEITH, *Chief District Engineer*)

The attached annual report for the fiscal year 1934-35, contains in detail the following:—

1. Statement showing expenditure on maintenance of main highways. A total of 3,418.28 miles of this class of road was maintained at a cost of \$636,795.32.

2. A statement showing the distribution from both capital and income accounts of funds to assist municipal units in the construction and maintenance of district highways and local roads. A total expenditure of \$234,433.94 was made in this way.

3. A statement showing in detail the expenditure made in connection with the operation, maintenance and replacement of ferries from income account. There were fifty-seven (57) ferries in operation during the season at a total cost of \$77,697.60. The ferry over the North Saskatchewan River at the fourth meridian, North of Lloydminster, was operated by the Saskatchewan Government, this Department paying fifty per cent (50%) of the cost of operation, maintenance and replacement of scow.

**STATEMENT OF EXPENDITURE FROM INCOME FOR THE FISCAL YEAR
ENDING MARCH 31st, 1935, FOR THE MAINTENANCE OF HIGHWAYS**

Location	Miles	Amount
Edmonton to Calgary:		
Sec. A. Calgary to Red Deer	93.72	\$ 24,409.34
Sec. B. Red Deer to Millet	62.15	14,889.58
Sec. C. Millet to Edmonton	27.50	7,170.95
Calgary to Banff Park Boundary	72.00	32,272.85
Calgary to Medicine Hat:		
Sec. A. Calgary to Brooks	121.00	19,317.06
Sec. B. Brooks to Medicine Hat	64.25	6,659.40
Calgary to U.S. Boundary:		
Sec. A. Calgary to Nanton	53.57	19,206.07
Sec. B. Nanton to Carway	107.12	11,558.69
Walsh to Crowsnest:		
Sec. A. Walsh to Bow Island	64.98	7,445.65
Sec. B. Bow Island to Crowsnest ..	166.69	30,467.27
Lethbridge to Coutts	71.65	7,197.99
Calgary to Bowness Park	4.72	87.55
Hanna to Viking:		
Sec. A. Hanna to Battle River	63.00	4,193.74
Sec. B. Battle River to Viking	54.00	2,887.70
Inverlake to Alsask:		
Sec. A. Inverlake to Munson	73.79	9,523.51
Sec. B. Munson to Alsask ..	128.58	12,188.48
Lacombe to Compeer:		
Sec. A. Lacombe to Castor	83.70	9,731.22
Sec. B. Castor to Coronation	21.78	3,429.82
Sec. C. Coronation to Compeer	76.00	5,757.15

DEPARTMENT OF PUBLIC WORKS

Location	Miles	Amount
Wetaskiwin to Hayter		
Sec. A. Wetaskiwin to Camrose	23.44	\$4,300.18
Sec. B. Camrose to Hayter	147.87	12,714.58
Edmonton to Saskatchewan Boundary:		
Sec. A. Edmonton to Wainwright	134.05	11,578.43
Sec. B. Wainwright to Saskatchewan Boundary	43.00	2,329.15
Edmonton to Lloydminster:		
Sec. A. Edmonton to Chipman	39.60	6,067.85
Sec. B. Chipman to E. Bdry, Rge 13	47.03	8,148.52
Sec. C. E. Bdry., Rge. 13, to Lloydminster	87.30	8,968.24
Edmonton to Jasper Park		
Sec. A. Edmonton To Edson	123.00	26,476.07
Sec. B. Edson to Jasper Park	74.00	7,918.57
Edmonton to Athabasca	87.90	16,396.03
Edmonton to Elk Island	36.42	3,694.13
Grande Prairie to Pouce Coupe	65.00	6,784.60
Athabasca to Peace River:		
Sec. A. Athabasca to Smith	60.00	6,660.77
Sec. B. Smith to Peace River	180.00	24,157.59
Sylvan Lake to Rocky Mountain House	38.80	3,723.38
Peace River to Grande Prairie:		
Sec. A. Peace River to Dunvegan	70.00	6,723.92
Sec. B. Dunvegan to Grande Prairie	66.00	6,605.88
Drumheller to Wayne	7.70	1,431.95
Cardston to Waterton	24.77	1,578.51
Pincher to Waterton	31.37	1,202.38
Okotoks to Turner Valley	17.00	3,712.06
Kipp to High River:		
Sec. A. Kipp to Carmangay	24.70	1,664.06
Sec. B. Carmangay to High River	64.16	8,068.43
Vulcan to Strathmore	44.00	3,028.99
Lethbridge to Cardston	51.07	5,178.72
Lacombe, Gull Lake, Sylvan Lake, Red Deer	35.00	4,069.85
Jasper Highway to Seba Beach	2.10	92.00
Jasper Highway to Edmonton Beach	2.40	51.80
Jasper Highway to Kapasiwan Beach	2.50	99.00
Midnapore to Turner Valley	27.00	3,948.65
Beiseker to Nevis	86.90	8,070.47
Jasper Highway to Alberta Beach	17.00	1,110.04
Clyde to Barrhead	31.30	3,278.31
Wetaskiwin to Pigeon Lake	28.10	3,333.51
Black Diamond to Hartell	6.00	201.41
Jasper Highway to Country Club	2.30	60.00
Duvernay to Cold Lake	100.00	7,064.05
Grimshaw to Battle River	75.00	6,205.74
S. Cooking Lake Highway to Airport	1.30	256.91
	<u>3,418.28</u>	<u>\$455,348.78</u>

SUMMARY

Maintenance of Main Highways	\$455,348.78
Administration and Supervision	20,809.23
Equipment Rental (S/W 79-1934-35)	60,714.63
Machinery and equipment	1,584.70
Repairs to machinery	878.88
Sundries	8,658.43
	<u>\$547,994.65</u>
Spent under Vote 706-B.H. Gravel Replacement	88,800.67
(See Highway Commissioner's Report)	
	<u>\$636,795.32</u>

STATEMENT OF EXPENDITURE ON CONSTRUCTION AND MAINTENANCE OF DISTRICT HIGHWAYS AND LOCAL ROADS

April 1st, 1934, to March 31st, 1935.

I.D. or M.D.	Capital	I.D. or M.D.	Capital	I.D. or M.D.	Capital	I.D. or M.D.	Capital
I.D. 1	\$184.24	M.D. 220	\$370.00	M.D. 428	\$ 430.00	M.D. 608	\$ 830.00
I.D. 2	259.72	M.D. 221	370.00	M.D. 429	720.00	M.D. 609	1,000.00
I.D. 3	220.00	I.D. 222	268.77	M.D. 430	680.00	M.D. 610	850.00
I.D. 4	369.86	M.D. 241	450.00	M.D. 431	640.00	I.D. 611	515.88
I.D. 5	359.63	M.D. 242	375.00	M.D. 451	610.00	I.D. 612	393.58
I.D. 6	360.00	M.D. 243	440.00	M.D. 452	580.00	I.D. 613	300.25
I.D. 7	361.17	I.D. 246	219.60	M.D. 453	620.00	I.D. 615	303.25
I.D. 8	459.90	I.D. 247	434.33	M.D. 454	560.00	I.D. 631	392.44
I.D. 9	256.55	M.D. 248	550.00	M.D. 455	640.00	I.D. 634	140.98
M.D. 10	410.00	M.D. 250	690.00	M.D. 456	640.00	I.D. 635	475.20
I.D. 32	349.94	I.D. 251	460.30	M.D. 457	680.00	I.D. 636	242.37
M.D. 33	400.00	I.D. 252	266.58	M.D. 458	903.10	M.D. 637	750.00
M.D. 34	460.00	M.D. 271	440.00	M.D. 459	520.00	M.D. 638	820.00
I.D. 35	322.15	M.D. 272	440.00	M.D. 460	750.00	I.D. 639	650.00
M.D. 36	533.30	M.D. 273	372.00	I.D. 461	600.15	I.D. 640	565.23
M.D. 37	460.00	M.D. 274	420.00	I.D. 462	163.00	I.D. 641	977.55
I.D. 38	278.83	M.D. 275	425.00	M.D. 481	700.00	I.D. 642	167.90
M.D. 39	726.00	I.D. 276	529.10	M.D. 482	680.00	I.D. 665	786.72
M.D. 40	250.25	M.D. 277	490.00	M.D. 483	700.00	I.D. 666	219.90
I.D. 61	436.83	M.D. 278	620.00	M.D. 484	660.00	I.D. 667	947.50
I.D. 62	369.89	M.D. 279	610.00	M.D. 485	590.00	M.D. 668	155.00
I.D. 63	340.02	M.D. 280	710.00	M.D. 486	770.00	I.D. 669	289.80
M.D. 64	460.00	M.D. 281	610.00	M.D. 487	900.00	I.D. 697	600.00
M.D. 65	380.00	I.D. 282	464.17	M.D. 488	700.00	I.D. 699	354.77
I.D. 66	465.56	M.D. 301	430.00	M.D. 489	875.00	I.D. 706	300.00
I.D. 67	589.35	M.D. 302	430.00	M.D. 490	790.00	I.D. 707	302.88
I.D. 68	554.56	M.D. 303	430.00	I.D. 491	668.40	I.D. 708	300.45
M.D. 69	600.00	M.D. 304	380.00	M.D. 511	780.00	I.D. 726	407.75
M.D. 70	690.00	M.D. 305	460.00	M.D. 512	750.00	I.D. 729	198.14
I.D. 91	459.93	M.D. 306	520.00	M.D. 513	700.00	I.D. 730	181.25
M.D. 92	380.00	M.D. 307	450.00	M.D. 514	730.00	I.D. 731	148.45
I.D. 93	279.38	M.D. 308	660.00	M.D. 515	800.00	I.D. 732	414.13
M.D. 94	310.00	M.D. 309	640.00	M.D. 517	690.00	I.D. 733	224.55
I.D. 96	301.45	M.D. 310	760.00	M.D. 518	792.50	I.D. 734	267.89
I.D. 97	360.45	M.D. 311	650.00	M.D. 519	780.00	I.D. 735	327.90
M.D. 98	610.00	M.D. 312	860.00	M.D. 520	840.00	I.D. 736	300.00
M.D. 99	600.00	I.D. 331	476.15	M.D. 521	850.00	I.D. 737	348.65
I.D. 100	451.55	I.D. 332	412.17	M.D. 522	840.00	I.D. 738	699.77
I.D. 101	137.25	I.D. 333	528.55	I.D. 523	385.68	M.D. 739	1,200.00
I.D. 121	267.38	M.D. 334	780.00	I.D. 525	131.10	M.D. 740	950.00
I.D. 122	294.73	M.D. 335	370.00	I.D. 541	415.82	I.D. 741	757.60
I.D. 123	339.84	M.D. 336	630.00	M.D. 542	620.00	I.D. 742	320.55
I.D. 124	49.29	M.D. 337	630.00	M.D. 543	900.00	I.D. 764	925.99
I.D. 125	434.92	M.D. 338	740.00	M.D. 544	530.00	I.D. 765	379.01
I.D. 126	306.49	M.D. 339	600.00	M.D. 545	820.00	I.D. 766	909.65
M.D. 127	400.00	M.D. 340	790.00	M.D. 546	800.00	I.D. 769	704.02
M.D. 128	440.00	M.D. 341	690.00	M.D. 547	770.00	I.D. 770	1,023.34
M.D. 129	710.00	M.D. 342	670.00	M.D. 548	990.00	I.D. 771	982.46
I.D. 130	289.45	M.D. 343	690.00	M.D. 549	730.00	I.D. 772	1,023.05
I.D. 151	406.47	M.D. 361	550.00	M.D. 550	870.00	I.D. 794	370.00
I.D. 152	215.23	M.D. 362	570.00	M.D. 551	1,050.00	I.D. 795	356.16
I.D. 153	315.83	M.D. 363	610.00	M.D. 552	830.00	I.D. 796	1,371.20
I.D. 154	189.91	M.D. 364	750.00	I.D. 553	505.57	I.D. 797	536.34
I.D. 155	369.00	M.D. 365	370.00	I.D. 554	416.30	I.D. 825	719.58
I.D. 156	426.07	M.D. 366	520.00	I.D. 555	834.22	I.D. 826	825.44
M.D. 157	1,430.00	M.D. 367	660.00	I.D. 571	212.02	I.D. 827	291.15
M.D. 158	670.00	M.D. 371	720.00	M.D. 572	540.00	I.D. 828	624.60
M.D. 159	690.00	M.D. 391	620.00	M.D. 573	810.00	M.D. 829	782.88
I.D. 160	367.85	M.D. 392	560.00	M.D. 574	480.00	I.D. 830	692.34
I.D. 181	419.35	M.D. 393	580.00	M.D. 575	900.00	I.D. 831	671.97
I.D. 182	339.92	M.D. 394	450.00	M.D. 576	1,030.00	I.D. 843	960.18
I.D. 183	384.00	M.D. 395	620.00	M.D. 577	1,050.00	I.D. 855	795.56
I.D. 184	188.56	M.D. 396	530.00	M.D. 578	940.00	M.D. 857	1,280.00
I.D. 185	439.27	M.D. 397	530.00	M.D. 579	990.00	M.D. 858	1,230.00
I.D. 186	369.00	M.D. 398	700.00	M.D. 580	880.00	I.D. 859	707.82
M.D. 189	800.00	M.D. 399	960.00	M.D. 581	970.00	I.D. 886	830.80
M.D. 190	600.00	M.D. 400	670.00	M.D. 582	1,200.00	I.D. 887	775.13
M.D. 191	320.00	M.D. 401	900.00	I.D. 583	735.15	I.D. 888	553.23
I.D. 211	327.85	I.D. 403	509.70	I.D. 584	547.60	I.D. 889	618.24
I.D. 212	360.56	M.D. 421	610.00	I.D. 601	610.25	I.D. 916	568.15
I.D. 213	314.44	M.D. 422	610.00	I.D. 602	414.93	I.D. 917	293.40
M.D. 214	1,560.00	M.D. 423	600.00	I.D. 603	644.63	I.D. 946	1,063.50
I.D. 216	380.95	M.D. 424	400.00	I.D. 604	454.80	I.D. 947	189.15
I.D. 217	423.06	M.D. 425	720.00	M.D. 605	500.00	I.D. 978	225.82
M.D. 218	540.00	M.D. 426	720.00	I.D. 606	305.32	I.D. 1094	323.75
M.D. 219	540.00	M.D. 427	720.00	I.D. 607	760.75	I.D. 1124	241.00

DEPARTMENT OF PUBLIC WORKS

	Income	Capital	Total
Total Expenditure Capital Grants to I.D.'s and M.D.'s X (X. No Income Grants to I.D.'s or M.D.'s)	\$172,298.08		\$172,298.08
Appropriation to Indian Reserves	\$2,961.12	6,066.69	9,027.81
Special Appropriations:			
Road to Township Line West of Breton		500.00	500.00
District Highway from East of Sec. 17-67-17-4 to Sec. 11-67-18-4		997.68	997.68
District Highway from Hartel South and East..... (50% Cost of Gravelling to serve new Oil fields)	1,591.45		1,591.45
Onoway to Whitecourt	\$ 3,488.11		3,488.11
Barrhead to Ft. Assiniboine	1,049.45		1,049.45
High Prairie to Sturgeon Lake	2,961.78		2,961.78
Smoky River to Sturgeon Lake	1,920.65		1,920.65
Smoky River Westerly to Main Highway	579.29		579.29
Rocky Mountain House to Nordegg	585.70		585.70
North Boundary of M.D. No. 576 to Caslan and North to Lac La Biche Trail	2,065.82		2,065.82
General Supervision and other work	20,776.77		20,776.77
General, Surveys Compensation and Miscellaneous Expenditure	13,224.66	3,366.69	16,591.35
Totals	\$19,613.35	\$184,820.59	\$234,433.94

STATEMENT OF EXPENDITURE
FERRY OPERATION AND MAINTENANCE
REPLACEMENTS AND INSTALLATIONS

April 1st, 1934, to March 31st, 1935

REPLACEMENTS OR INSTALLATIONS

LOCATION		Operation and Main- tenance	Description	Cost	Total
North Saskatchewan	River at Desjarlais	\$1,009.58	Wind Cable	\$ 268.54	\$ 1,278.12
Athabasca	River at Holmes Crossing	987.63		.....	987.63
Red Deer	River at Dorothy	826.55		.....	826.55
North Saskatchewan	River at Pakan	879.12	48' Scow	1,898.25	2,777.37
Red Deer	River at Garrington	646.75		.....	646.75
*North Saskatchewan	River at North of Lloydminster	1,679.77	Scow (cost not isolated)	.....	1,679.77
(50% cost of operation and Maintenance and Replacement)					
Athabasca	River at Athabasca	1,391.75	Ferry Cable Car	966.38	2,358.13
Pembina	River at Letts Crossing	766.05	Wind Cable	60.65	826.70
North Saskatchewan	River at Shandro	1,544.02	Wind Cable and Tower	455.98	2,000.00
North Saskatchewan	River at Hopkins	867.35		.....	867.35
Red Deer	River at Hutton	874.92		.....	874.92
North Saskatchewan	River at Rocky Mountain House	1,254.08		.....	1,254.08
Narrows Lac Ste Anne	River at Lac Ste Anne	770.04		.....	770.04
North Saskatchewan	River at Lea Park	1,234.91		.....	1,234.91
North Saskatchewan	River at Eldorena	693.75		.....	693.75
Pembina	River at Wright's Crossing	648.97		.....	648.97
North Saskatchewan	River at South of Holborn	643.93	Shack	219.20	863.13
Peace River	River at Dunvegan	2,348.20	Pontoon Scow	2,780.78	5,128.98
South Saskatchewan	River at Bow Island	956.67		.....	956.67
North Saskatchewan	River at North of Myrnam	1,428.32	South Tower	256.77	1,685.09
North Saskatchewan	River at Genesee	610.48	Shack	259.02	869.50
Red Deer	River at Steveston	899.61		.....	899.61
Smoky	River at Goodwin Crossing	1,397.25	(Two-Man Shack)	440.92	1,838.17
Bow	River at Riverbow	812.93	(Towers & Approaches)	.....	812.93
Bow	River at Breidin Crossing	741.18		.....	741.18
Red Deer	River at West of Munson	742.03		.....	742.03
North Saskatchewan	River at Berrymoor	741.82		.....	741.82
Red Deer	River at Finnegan	778.06		.....	778.06
Pembina	River at Matthews Crossing	726.70		.....	726.70
North Saskatchewan	River at Lindbergh	743.87		.....	743.87
McLeod	River at Allendale Crossing	623.41		.....	623.41
North Saskatchewan	River at Vinca	613.50		.....	613.50

DEPARTMENT OF PUBLIC WORKS

FERRY OPERATION AND MAINTENANCE (Continued)

REPLACEMENTS OR INSTALLATIONS (Continued)

LOCATION		Operation and Maintenance	Description	Cost	Total
McLeod	River at McLeod Valley	\$ 782.96	12' Scow	\$1,612.21	\$2,395.17
Red Deer	River at North of Jenner	866.56			866.56
North Saskatchewan	River at Gregory Crossing	820.43			820.43
Red Deer	River at Elk Point	1,327.94			1,327.94
Athabasca	River at West of Morrin	937.87	42' Scow	1,704.45	2,642.32
Pembina	River at Smith	1,748.70			1,748.70
Warspite	River at Klondyke Crossing	733.90	Wind Cable	180.81	914.71
Pembina	River at West of Flatbush	609.85			609.85
Red Deer	River at South of Wembley	676.06			676.06
Pembina	River at East Coulee	741.59			741.59
Bow	River at West of Fawcett	633.67			633.67
Pembina	River at South of Crowfoot	1,517.48			1,517.48
North Saskatchewan	River at South of Fawcett	612.52			612.52
Athabasca	River at Waskatenau	1,402.29	16' x 20' Towers	307.41	1,709.70
McLeod	River at North of Blue Ridge	846.18	2-42' Scows and Cable	3,648.17	4,494.75
Red Deer	River at Mahaska	649.10			649.10
North Saskatchewan	River at North of Atlee	782.82			782.82
South Saskatchewan	River at Forbesville	831.09	Towers	328.60	1,159.69
McLeod	River at South of Empress	1,256.11			1,256.11
North Saskatchewan	River at Rosevear	688.00	Shack	249.37	935.37
Peace	River at Warspite	669.22			669.22
North Saskatchewan	River at Fort Vermilion	1,164.66	Pontoon Scow & Towers	3,645.47	4,810.13
Red Deer	River at Heinsburg	1,114.63			1,114.63
North Saskatchewan	River at Rosedale	1,869.99			1,869.99
Bow	River at North of Beauvalon	848.62			848.62
	River at Bow Slope	931.37			931.37
*Operated by Saskatchewan Government		\$55,943.21			
		Administration and Supervision		\$19,282.98	\$75,226.19
		TOTAL			2,471.41
					\$77,697.60

MAIN HIGHWAYS

(C. A. DAVIDSON, *Highway Commissioner*)

Contracts awarded in the year ending March 31, 1935, on Main Highway projects are as follows:

STANDARD EARTH GRADE

Location	Miles	% Comp.	Contractor
Strathmore-Calgary	27.84	42	F. Mannix
Cochrane-Morley	14.10	61	Poole Construction Co. Ltd.
Kananaskis-Banff Park Bdy.	16.40	2	Poole Construction Co. Ltd.
Edson-Pedley	21.12	34	Western Constr. & Lbr. Co. Ltd.
Pedley-Jasper Park Bdy.	23.79	18	F. Mannix
Hardisty-Hughenden	19.18	15	F. Mannix
Coronation-Veteran	17.14	17	F. Mannix
Irma-Wainwright	17.75	10	Western Canada Constr. Ltd.
Edmonton-Gibbons	25.39	3	Belyea Construction Ltd.

GRAVEL SURFACING

Location	Miles	% Comp.	Type	Contractor
Medicine Hat-Bow Island	33.38	100	1	E. O'Connor & Co.
Castor-Coronation	21.77	100	1	Belyea Construction Ltd.
Galloway-Edson-Carrot Creek	14.04	100	1	Fitzgerald & Starky Ltd.
Sedgewick-Hardisty	18.22	100	1	Western Can. Constr. Ltd.
Holden-Irma	49.57	100	1	Western Can. Constr. Ltd.
Clyde-Northerly	5.70	100	1	E. Rowan
Cooking Lake Airport Road	1.28	100	1	Poole Constr. Co. Ltd.
Calgary-Okotoks	20.23	100	2	W. J. McCoy & Son
Medicine Hat-Walsh	31.40	100	2	E. O'Connor & Co.
Lacombe-Gull Lake	11.59	100	2	Belyea Construction Ltd.
Lethbridge-Taber	32.68	100	2	Belyea Construction Ltd.
New Dayton East and West	11.60	100	2	Belyea Construction Ltd.
Irricana-Munson	56.78	100	2	W. J. McCoy & Son
Red Deer-Alhambra	34.32	100	2	Western Can. Constr. Ltd.
Macleod-Monarch	12.60	100	2	Belyea Construction Ltd.
Macleod-Pincher	28.99	100	2	Belyea Construction Ltd.
South Cooking Lake-Tofield	23.09	100	2	Poole Constr. Co. Ltd.
Camrose-Bawlf	22.52	100	2	Poole Constr. Co. Ltd.

Type 1—First Course Gravel.

Type 2—Second Course Gravel

SECONDARY HIGHWAYS

(By Construction Branch)

Contracts awarded in the year ending March 31, 1935, on Secondary Highway projects are as follows:

STANDARD EARTH GRADE

Location	Miles	% Comp.	Contractor
Dogpound Creek-Sundre	13.00	15	Belyea Construction Ltd.
Grainger via Carbon to Route No. 9 ..	16.60	18	F. Jackson

GRAVEL SURFACING

Location	Miles	% Comp.	Type	Contractor
Carvel-Onoway-Alberta Beach	17.06	100	2	Fitzgerald & Starky Ltd.
High River-5 M.E. of Vulcan	44.56	100	2	Belyea Construction Ltd.
Wetaskiwin-Pigeon Lake	28.09	100	2	Belyea Construction Ltd.
Lethbridge-Spring Coulee	36.07	100	2	Belyea Construction Ltd.
Cardston-Spring Coulee	15.80	100	2	Belyea Construction Ltd.

Type 2—Second Course Gravel.

MAIN AND SECONDARY HIGHWAYS

GRAVEL SURFACE REPLACEMENTS

(By Construction Branch)

Contracts awarded in the year ending March 31, 1935, on Main and Secondary Highway projects are as follows:

Location	Miles	%	Contractor
Main Highways—		Comp.	
Wetaskiwin South	13.20	100	Belyea Construction Ltd.
Stony Plain-Seba Corner	31.59	100	Fitzgerald & Starky Ltd.
Edmonton-Morinville	17.37	100	Poole Construction Co. Ltd.
Edmonton-South Cooking Lake	19.81	100	Poole Construction Co. Ltd.
Edmonton to Country Club Road			
Corner	.52	100	Poole Construction Co. Ltd.
Fort Saskatchewan-Bruderheim	23.96	100	Poole Construction Co. Ltd.
Okotoks-High River	Stock Piles	100	Belyea Construction Ltd.
Secondary Highways—			
Kapasiwin Beach Road	2.48	100	Fitzgerald & Starky Ltd.
Seba Beach Road	2.13	100	Fitzgerald & Starky Ltd.
Onoway-Alberta Beach	Stock Piles	100	Fitzgerald & Starky Ltd.

Total quantities taken out under all gravelling contracts and average cost of same:

	Cu. Yds.	Cost
1" crushed gravel to railway cars	194466	49.44 cents
1" crushed gravel to trucks	125167	32.83 cents
Gravel from stock pile to railway cars	15654	38.72 cents
Gravel from stock pile to railway cars	8561	10.00 cents
Average haul distance by truck		6.35 miles
Average cost of haul by rail	\$1.20 per cubic yard	
Average cost of gravel laid down	\$1.84 per cubic yard	

IMPROVEMENT OF MAIN HIGHWAYS WITHIN INCORPORATED AREAS

April 1st, 1934, to March 31st, 1935

40.00-E	Municipality	Type	Total Cost of Work	Contributed by Province	Engineering
66	Botha	S	\$ 417.96	\$ 208.98	.....
37	Camrose	S	3,142.82	1,571.41	\$ 140.15
8	Claresholm	S	740.00	370.00	.....
15	*Edson	G	20.58	20.58	77.40
56	Irvine .....	—	.....	.....	5.00
79	Lougheed	S	349.88	292.84	.....
23	Medicine Hat	S	1,839.44	919.72	.....
48	Sylvan Lake .....	—	.....	.....	44.00
43	Wetaskiwin	S	135.05	704.02	3.76
			\$7,545.73	\$4,087.55	\$ 270.31

G—Grading. S—Surfacing.

* -Not Completed.

DETAILS OF ADMINISTRATION EXPENDITURES

Salaries—Office and Drafting Room	\$ 12,003.50
Blueprinting, telegrams, telephones, etc.	913.42
Transportation and travelling expenses	1,679.28
Field Equipment	293.55
Automobile license and insurance	61.68
 Total	
	\$ 14,951.43

THE PROVINCE

CONSTRUCTION EXPENDITURES MADE BETWEEN 1st OF

VOTE 754

Project No. 3083	LOCATION	Prelimin- ary Engineer- ing	Adver- tising	Construc- tion Engineer- ing	Clearing and Grubbing	Grading
1-A-1	Calgary-Airdrie .....	.....	.....	.....	.....	.....
1-A-2	Airdrie-Carstairs .....	.....	.....	.....	.....	.....
1-F-1	Edmonton-Leduc .....	.....	.....	.....	.....	.....
2-A-1	Walsh-Irvine .....	.....	\$ 9.72	\$ 152.79	.....	.....
2-A-2	Irvine-Medicine Hat .....	.....	9.72	205.80	.....	.....
2-B-1	Bow Island-Seven Persons .....	.....	9.72	1,374.67	.....	.....
2-B-2	Medicine Hat-Seven Persons .....	.....	9.72	1,449.48	.....	\$ 1,079.08
2-C-1	Lethbridge-Chin .....	.....	12.96	731.33	.....	945.67
2-C-2	Chin-Taber .....	.....	12.96	329.31	.....	.....
2-D-4	Lethbridge-M.158.61 .....	.....	13.77	387.91	.....	.....
2-E-4	Frank-Lundbreck .....	.....	.....	.....	.....	.....
2-E-9	Chokio-Pincher .....	.....	13.77	306.83	.....	.....
2-E-1	Macleod-Chokio .....	.....	13.77	422.09	.....	.....
3-A-1	Calgary-Okotoks .....	.....	38.88	440.92	.....	.....
4-A-1	Calgary-Inverlake .....	.....	12.67	.....	.....	.....
4-A-2	Inverlake-13 M.E. Strathmore .....	.....	12.67	.....	.....	.....
5-A-1	Inverlake-Irricana .....	.....	.....	195.32	.....	.....
5-A-2	Irricana-10 M.N. Rockyford .....	.....	24.50	428.73	.....	.....
5-A-3	10 M.N. Rockyford-Drumheller .....	.....	24.50	823.59	.....	.....
5-B-1	Hanna-Delia .....	.....	.....	13.24	.....	.....
5-B-2	Drumheller-Munson .....	.....	.....	109.38	.....	.....
5-B-3	Munson-Delia .....	.....	.....	13.24	.....	.....
5-B-4	Hanna-Youngstown .....	.....	.....	13.23	.....	.....
5-C-1	Youngstown-½ M.E. Chinook .....	.....	.....	13.24	.....	.....
5-C-2	½ M.E. Chinook-2 M.E. Excel .....	.....	.....	13.24	.....	.....
5-C-3	2 M.E. Excel-Alsask .....	.....	.....	13.24	.....	.....
6-A-2	11 M.N. Warner-Stirling .....	.....	.....	257.91	.....	.....
7-B	Cochrane-M. 33.8 .....	.....	12.67	.....	.....	.....
7-C	M. 33.8-Kananaskis .....	.....	12.67	.....	.....	.....
7-D	Kananaskis-Park Bdry. .....	.....	25.34	.....	.....	.....
9-A-2	5 M.N. Red Deer-Sylvan Lake .....	.....	24.50	415.13	.....	.....
9-A-3	Sylvan Lake-Alhambra .....	.....	24.50	969.86	.....	.....
10-B	Camrose-Daysland .....	.....	11.02	558.07	.....	.....
10-C-2	Sedgewick-Hardisty .....	.....	49.00	910.99	.....	.....
10-D-1	Hardisty-Hughenden	\$ 2,296.98	30.12	1,475.69	\$ 317.79	3,469.50
11-C-1	Castor-Coronation .....	.....	12.96	1,269.22	.....	.....
11-C-2	Coronation-Veteran	1,894.12	30.12	1,292.42	28.80	2,365.74
12-A-1	Edmonton-Cooking Lake .....	.....	11.01	96.27	.....	.....
12-A-2	Cooking Lake-Tofield .....	.....	11.02	842.38	.....	.....
12-B	Tofield-Holden .....	.....	.....	74.32	.....	.....
12-C-1	Holden-Viking .....	.....	24.50	1,240.36	.....	.....
12-C-2	Viking-Irma .....	.....	24.50	1,582.69	.....	.....
12-D-3	Irma-Wainwright	3,121.66	30.13	1,679.43	139.32	1,708.06
13-A	Edmonton-Fort Saskatchewan	25.80	.....	.....	.....	.....
13-D-3	Innisfree-Vernilion .....	.....	.....	.....	.....	.....
14-B-1	Winterburn-M. 27.1 .....	.....	18.36	148.86	.....	.....
14-B-2	M. 27.1-Seba Corner .....	.....	18.36	167.37	.....	.....
14-D-1	Edson-Brine's Corner .....	.....	9.72	.....	.....	.....
14-D-2	Brine's Corner-Carrot Creek .....	.....	9.72	.....	.....	.....
14-D-3	Carrot Creek-Styal .....	.....	9.72	.....	.....	.....
14-D	Edson-Park Bdry. .....	.....	60.40	.....	.....	.....
15-A-2	Edmonton-Legal .....	.....	11.02	227.50	.....	.....
15-B-1	Meanook-Athabasca .....	.....	.....	28.00	.....	.....
15-B-3	Clyde-Rochester .....	.....	.....	237.60	.....	.....
23-A	Cardston-Waterton Lakes Park .....	.....	.....	.....	.....	.....
25-A	Lacombe-Gull Lake .....	.....	12.96	381.28	.....	.....
26-A	Edmonton-Gibbons	2,346.69	30.13	1,090.59	144.00	1,385.40
40-13-A	Fort Sask.-E. of Bruderheim .....	.....	11.01	322.50	.....	.....
40-17-A	Edmonton-S. of Chipman .....	.....	.....	112.63	.....	.....
40-19-A	Athabasca-Smith .....	.....	.....	70.00	.....	.....
40-19-B	High Prairie-Kinuso .....	.....	.....	26.37	21.25	12,619.54
40-26-B	High River-5 M.E. of Vulcan .....	.....	38.88	1,330.06	.....	.....
40-28-A	Cardston-Lethbridge .....	.....	26.73	1,507.44	.....	.....
40-30-A	Seba Beach Road .....	.....	.....	112.94	.....	.....
40-32-A	Kapasiwin Beach Road .....	.....	18.36	20.44	.....	.....
40-35-A	Onoway-Alberta Beach Road .....	.....	38.88	725.40	.....	.....
40-37-A	Wetaskiwin-Pigeon Lake .....	.....	12.96	995.53	.....	.....
40-42-A	Airport Road-Cooking Lake .....	.....	.....	20.00	.....	.....
43-6	Gull Lake-Sylvan Lake .....	.....	.....	42.67	.....	.....
43-10	Beiseker-Nevis .....	.....	.....	17.56	.....	.....
43-14	Olds-Sundre	2,867.67	30.12	1,446.19	970.09	12,407.32
43-15	Grainger via Carbon-Route 9	2,593.38	30.12	1,042.21	.....	3,289.59
41-6-11	Rimbey-Bentley	1,674.20	.....	.....	.....	.....
		\$16,820.50	\$ 940.84	\$30,667.61	\$ 1,621.25	\$39,268.90

DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION EXPENDITURES MADE BETWEEN 1st OF

VOTE 706-BH

Project No. 3083	LOCATION	Prelimin- ary Engineer- ing	Adver- tising	Construc- tion Engineer- ing	Clearing and Grubbing	Grading
14-B-1	Winterburn-M. 27.1 .....	.....	.....	\$ 378.31	.....	.....
14-B-2	M. 27.1-Seba Corner .....	.....	.....	509.86	.....	.....
40-12-A	Edmonton-Cooking Lake .....	.....	.....	253.53	.....	.....
40-13-A	Fl. Saskatchewan-E. of Bruderheim....	.....	.....	246.74	.....	.....
40-15-A	Edmonton-Legal .....	.....	.....	167.60	.....	\$ 76.00
40-32-A	Kapasiwin Beach Road .....	.....	.....	65.50	.....	.....
Total .....		.....	.....	\$1,621.54	.....	\$ 76.00

SW 39/34/35-B TRANS-CONTINENTAL HIGHWAY

14-D-1	Edson-Brine's Corner .....	.....	.....	\$ 818.14	.....	.....
14-D-2	Brine's Corner-Carrot Creek .....	.....	.....	566.62	.....	.....
14-D-3	Carrot Creek-Styal .....	.....	.....	90.97	.....	.....
14-E-1	Edson-Pedley	\$2,199.09	.....	1,126.35	\$511.02	\$8,794.46
14-E-2	Pedley-Park Boundary	1,886.82	.....	998.86	252.00	4,886.23
Total		\$4,085.91	.....	\$3,600.94	\$763.02	\$13,680.69

SW 39/34/35-C TRANS-CANADA HIGHWAY

2-A-1	Walsh-Irvine .....	.....	.....	\$ 415.23	.....	.....
2-A-2	Irvine-Medicine Hat .....	.....	.....	415.09	.....	.....
4-A-1	Calgary-Inverlake	\$1,920.23	.....	202.84	.....	.....
4-A-2	Inverlake-Strathmore	1,148.43	.....	3,252.64	.....	\$23,750.14
7-B	Cochrane-M. 33.8	287.83	.....	248.28	\$ 15.30	4,207.28
7-C	M 33.8-Kananaskis	2,808.01	.....	1,109.99	36.00	15,717.74
7-D	Kananaskis-Park Boundary	2,929.27	.....	42.74	2,065.50	249.62
Total		\$9,093.77		\$5,686.81	\$2,116.80	\$43,924.78

SW 9/34/35

70	Mosquito Creek Diversion			\$.90		
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SW 71/34/35

40-42-A	Cooking Lake Airport Road			\$10.20		
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TOTAL OF ALL EXPENDITURES:

Vote 754	\$16,820.50	\$940.84	\$30,667.61	\$1,621.25	\$39,268.90
Vote 706-BH .....	.....	.....	1,621.54	.....	76.00
SW 39/34/35B	4,085.91	.....	3,600.94	763.02	13,680.69
SW 39/34/35-C	9,093.77	.....	5,686.81	2,116.80	43,924.78
SW 9/34/35 .....	.....	.....	.90	.....	.....
SW 71/34/35 .....	.....	.....	10.20	.....	.....
Grand Total	\$30,000.18	\$940.84	\$41,588.00	\$4,501.07	\$96,950.37

APRIL, 1934, AND 31st OF MARCH, 1935, ON MAIN HIGHWAYS

Corrugat- ed Iron Pipe Culverts	Treated Timber Culverts	Timber Bridges	Guard Rail	Fencing Right- of-Way	Compens- ation Land	Road Surfac- ing	Moving Poles	Miscel- laneous	Total
						\$ 5,411.99			\$ 5,790.30
						22,494.80			23,004.66
						17,551.05			17,804.58
						20,834.17			21,080.91
						18,630.19			18,873.79
						2,180.93			2,246.43
						\$87,103.13			\$88,800.67
						\$18,055.98			\$18,874.12
						17,775.12			18,341.74
						2,320.89			2,411.86
\$ 703.28	\$3,209.63	\$ 9,036.30		\$16.83		1,223.90			26,820.86
743.02	4,925.01	5,518.06							19,210.00
\$1,446.30	\$8,134.64	\$14,554.36		\$16.83		\$39,375.89			\$85,658.58
						\$12,559.15			\$12,974.38
						12,750.91			13,166.00
\$ 133.56	\$ 149.38	\$ 901.83		\$ 688.30	\$ 510.00				4,506.14
401.95	2,552.50	18,221.40	\$ 436.00	1,130.16	705.00		\$511.09		52,109.31
1,128.88				578.00			176.65		6,642.22
1,750.33	440.47	11,219.08		702.79			252.16		34,037.57
682.14		18,053.10					40.94		24,063.31
\$4,096.86	\$3,142.35	\$48,395.41	\$ 436.00	\$3,099.25	\$1,215.00	\$25,310.06	\$981.84		\$147,498.93
		\$360.22		\$880.50	\$2,773.00			\$2,140.74	\$6,155.36
						\$1,464.54			1,474.74
\$11,172.70	\$ 4,609.48	\$23,073.96	\$15,537.93	\$5,303.25	\$4,645.62	\$467,183.50	\$ 23.25	\$22,998.90	\$643,867.69
						87,103.13			88,800.67
1,446.30	8,134.64	14,554.36		16.83		39,375.89			85,658.58
4,096.86	3,142.35	48,395.41	436.00	3,099.25	1,215.00	25,310.06	981.84		147,498.93
		360.22		880.50	2,773.00			2,140.74	6,155.36
						1,464.54			1,474.74
\$16,715.86	\$15,886.47	\$86,383.95	\$15,973.93	\$9,299.83	\$8,633.62	\$620,437.12	\$1,005.09	\$25,139.64	\$973,455.97

BRIDGE CONSTRUCTION AND MAINTENANCE

April 1st, 1934, to March 30th, 1935.

(N. W. MACPHERSON, *Bridge Engineer*).

During the season nine crews were employed on bridge work, two mostly on Main Highways, one painting steel spans, and the remainder on steel and timber bridges.

Treated timber was used on all bridges excepting those in out-lying districts where local material was available.

A large amount of work was performed on Main Highways, being on steel and timber bridges and on pile and concrete culverts, also a certain amount of ferry construction, this probably accounting for the time of two crews.

All steel bridges were fabricated within the Province and the following is a list of same:

Size	Stream	Location
1- 50ft. span	Kneehill Creek	E. 1-31-26-4
1- 60ft. span	Kneehill Creek	S.30-30-25-4
1- 35ft. beam	Ghospine Creek	24/25-32-23-4
1- 80ft. span	Paddle River	15/16-59- 4-5
1-100ft. span	Fallen Timber Creek	S. 16-32- 5-5
1-100ft. span	Fallen Timber Creek	N.W. ¼-34-31- 5-5
1- 60ft. span	Redwater River	N. 8-59-24-4
1- 60ft. span	Crowfoot Creek	W. 17-23-20-4
1-100ft. span	Sturgeon River	12/13-56-23-4
1-100ft. span	Carrot Creek	N.W. ¼-35-54-14-5
1- 80ft. span	Carrot Creek	S.E. ¼-30-53-13-4
1- 50ft. span	Michichi Creek	N.W. ¼-11-29-20-4
1-125ft. span	Battle River	19/20-45- 7-4
1-125ft. span	Little Smoky River	S.E. ¼- 1-74-20-5

Reconstruction:

Irrigation Canal	N.N.W. 11-24-27-4
Rosebud Creek	in 7-27-21-4
L. Red Deer River	N. 33-31- 4-5
Rosebud River	N.E. ¼-10-27-22-4
N. Fork High River	25/26-17- 2-5
L. Red Deer River	N.E. ¼-33-32- 4-5
Sturgeon River	25-55-24-4
Old Man River	S.E. ¼-17- 9- 1-5
Rosebud Creek	22/23-27-25-4

Steel bridges	23
Timber bridges	162
Bridges maintained	158
Total number of bridges dealt with	343

62 of the Maintained bridges were painted.

SURVEYS BRANCH

Report of the Fiscal Year Ending March 31st, 1935.

(P. N. JOHNSON, *Director of Surveys*).

It will be noted by comparison with last year's report, that a very similar routine has been followed and very little comment is required in connection with this schedule. It will be observed that the number of surveys for which we still have requests does not diminish, these being mainly in unorganized districts.

In a good many of these cases, whilst the survey of a road is a necessity in order to provide access to the various settlements, our greatest difficulty has been in the last few years, the matter of settlement of compensation. These amounts have to be provided out of the taxes collected in the unit and in many cases, practically no taxes are available and the settlement of compensation is becoming a difficult matter to handle.

The season on the whole has been ordinarily favourable to survey operations. In our two Northerly districts, wet weather in the early part of the season delayed work to some extent but on the other hand, favourable weather in the Southern part of the Province, enabled our Surveyor in that district to cover a considerable area and to complete a number of outstanding surveys.

The Municipal Districts are carrying out a certain amount of survey work, but it is apparent that wherever possible some districts are allowing surveys to stand, pending more favourable financial conditions.

Surveys required and brought forward from 1933 (after revising schedule)	553
Surveys asked for during 1934	160
Surveys made during 1934	127
Surveys carried over to 1935	586
Plans submitted and examined on behalf of M.D.'s	205
Titles issued to roadways surveyed by M.D.'s	210
Plans prepared and filed in Land Titles Office	122
Certificates of Title received for roadways	138
Certificates of Title received for lands given for public purposes under Departmental regulations as to subdivisions	24
Certificates of Title to public buildings	1
Transfers issued covering lands no longer required	231
Number of plans of subdivisions approved during 1934	25
Plans submitted by the Department of the Interior (Irrig. Br.)	7
Plans of Power and Transmission Lines	5
Vouchers issued for compensation	341
Leases of road allowances in force	208
Leases of road allowances applied for	90

BUILDING MAINTENANCE BRANCH

Report for Fiscal Year Ending March 31st, 1935.

(D. E. MACDONALD, *Superintendent of Buildings*).

The operation of this Branch has been carried out along similar lines to previous years. No new construction work was undertaken. The Provincial Buildings maintenance and general repairs has been steadily increasing, and the work performed has been carefully considered in order to keep them up to standard.

Agricultural School, Vermilion.

It was decided to reopen this school, after being closed for several years. This necessitated considerable interior work and purchasing of equipment. The work was performed by day labour under our foreman.

Agricultural School, Olds.

A new water line and pump house was erected by contract. The work was awarded to local contractors.

Provincial Mental Hospital, Ponoka.

Owing to the increase of the number of patients, we had to close in some of the large verandahs to make permanent wards for the accommodation of the extra patients.

A good deal of alteration and repair work has been carried out in order to keep this Institution up to standard. All this work has been carried out by maintenance crew under our regular foreman.

Provincial Mental Hospital, Claresholm.

A new water line was constructed at this point; the work being performed by day labour under our foreman.

Provincial Training School, Red Deer.

There was no new construction work carried out at this institution. The usual repairs and maintenance work was performed by our local staff.

Provincial Jails, Fort Saskatchewan and Lethbridge.

The buildings at these institutions have been kept in a proper state of repair by prison labour under the supervision of our foreman.

Institute of Technology and Normal School, Calgary.

During the past season the grounds at this Institution were greatly improved by the planting of trees and shrubs. This work was performed by Relief labour under our supervision.

Ogden Hostel, Calgary.

This building was purchased by the Provincial Government for use by the Relief Department. As the building has not been occupied for several years, it had to be completely renovated and made suitable for their requirements at an approximate cost of \$3,000.00.

Police Buildings Rented to the R.C.M.P.

Considerable repair work has been carried out at a number of these buildings by local contractors on competitive prices in order to keep them in a fair state of repairs.

Maintenance of Other Public Buildings.

Repair work was done at Liquor Vendor stores, Court Houses, etc., by our own staff, except in a few instances where we found it more economical to obtain quotations and have the work performed locally.

Carpenter Shop.

During the year the shop has been kept busy with the manufacturing of equipment for the various public buildings and institutions throughout the Province.

Grounds.

We have supplied the various public buildings and court houses throughout the Province with plants, shrubs, etc., from our greenhouse at the Parliament Buildings.

On the site donated to the Provincial Government by the C.P.R. located on the west side of 109th Street, the planting of trees, shrubs, plants, etc., and constructing a small park has made quite an improvement in this locality.

The following is a list of buildings and offices maintained by this Branch:

34 Police Buildings	2 Jails
15 Court Houses	1 Sanatorium
4 Agricultural Schools	7 Public Office Buildings
3 Normal Schools	8 Health Clinics
2 Land Titles Buildings	Municipal Inspectors' offices,
7 Storage and Repair Shops	police Magistrates' offices,
7 Liquor Stores	etc.
4 Mental Institutions	

Expenditure controlled by this Branch during the year 1934-35 was as follows:

CAPITAL EXPENDITURE	
Furnishings and Additions	\$ 39,422.48
Ogden Hostel	25,515.32
	<u>\$ 64,937.80</u>
MAINTENANCE	
Department and Legislative Buildings	\$355,889.89
Public Institutions	98,916.17
Government House	15,614.24
Power Plants	235,936.85
	<u>\$706,357.15</u>

POWER PLANTS

(JOHN DOUGLAS, *Mechanical Superintendent*).

During the year, maintenance was somewhat heavier at the eight different power plants and institutions, but all the plants and systems have been reasonably maintained.

Increases in loads are indicated at all plants. No breakdown in services and no accidents of any consequence have been reported to me.

The boiler plant at Ponoka has finally been placed in a safe operating condition.

Statistics of the Hartford Steam Boiler Insurance Company of America since 1930 covering 58 plants under their jurisdiction state that boilers of a total value of \$4,000,000 have been damaged and that repairs and replacements estimated at \$750,000 have been made. This damage was caused by using water of the same nature as originally used in the boilers at Ponoka.

No expenditures under capital were made at any of the plants.

An outline of operations at the various institutions follows:

Fort Saskatchewan Jail:

Purchased current at this institution shows a large increase. The pumping plant at the river was in a precarious condition. The circumstances causing the above are gradually being overcome and no serious trouble is anticipated.

Oliver Mental Institute:

This plant gave good service. An increase is shown in steam load but due to better boiler operation no increase in coal consumption was made.

A very ingenious and effective coal feed regulator to the furnaces was designed and made by the Chief Engineer.

Up to the 10th January when the C.J.C.A. Broadcasting Station was moved, a net revenue of \$1,096.80 had been received from them for the year for electrical energy supplied.

Parliament Buildings:

Both the generated and purchased current at this plant show slight decreases over the previous year, but the saving is more than offset by the increase in demand cost.

The increased operation cost shown is due to the whole of the electric energy for the Administration Building being charged against the Power Plant this year.

Some very fine mechanical work was carried out by the staff above the usual operation routine.

Ponoka Mental Hospital:

A rather difficult operation, considering there was no interruption in services, was carried out at this plant under the supervision of the Chief Engineer in removing two condemned boiler drums and tubes and machining old headers and installing them with the new tubes and drums.

These boilers are now in safe operating condition and every effort is made to feed them with pure water.

Stokers have been installed under these boilers and are giving very gratifying results.

All services supplied by this plant show increases.

Provincial Training School, Red Deer:

All services supplied by this plant were satisfactory. A total of 27,932 Kilowatt hours of electric energy were purchased from the City of Red Deer and 45,275 were generated at the Institution plant.

Purchasing coal during the winter and storing for summer use not only insured against delivery irregularities but effected a considerable saving.

Institute of Technology and Art:

Extra service demands were made on this plant during the year due to the large steam heated shops (which had not been used for four years) being divided into class-rooms and extra classes accommodated.

The Relief Commission Camp was also supplied with gas from the power house line.

The use of coal during the 3 months of the coldest period of the year enabled us to lower the operation costs slightly under the previous year.

Central Alberta Sanatorium:

Efficient service was given by this plant. With the exception of major repairs this plant is now practically self contained as regards machine work.

Boilers at this plant have to be forced at too high a rating, resulting in too high furnace repairs and the possibility of boiler outages. Owing to the above and the general condition of these boilers and settings, extra boiler power must be considered in the near future.

Lethbridge Jail:

A slight increase is shown in electric energy produced at this plant.

Over four million gallons of water was purchased from the City of Lethbridge at a cost of \$1,044.65. The net amount for water sold was \$731.49.

Approximately six million gallons of water were pumped from the Lake to the tower for boiler and general purposes.

LICENSES ISSUED UNDER THE PUBLIC VEHICLES ACT

(W. T. AIKEN, *Chief Clerk*)

Operator	Address	Route
Brewster Transport Co., Ltd.	Banff	Calgary to Banff
Central Canadian Greyhound Lines, Ltd.	Calgary	Calgary to Edmonton Calgary to Medicine Hat and Sask. Boundary Calgary to Lethbridge Lethbridge to Medicine Hat Lethbridge to High River via Vulcan Lethbridge to Cardston and Waterton Lake Macleod to Crow's Nest
Canadian Coachways	Edmonton	Edmonton to Athabasca Edmonton to Breton
Collins, A. P.	Edmonton	Edmonton to Mayerthorpe
Craig, O. A.	Vulcan	Calgary to Vulcan
Duncan, R. J.	Medicine Hat	Medicine Hat to Sask. Boundary
Drumheller Bus and Taxi Co.	Drumheller	Drumheller to East Coulee Drumheller to Wayne
Glacier Park Transport Co., Ltd.	Glacier Park	Glacier Park
Johnson, Dewitt, T.	Montana	Carway to Waterton Lakes
	Lethbridge	Lethbridge to Coultis Lethbridge to High River via Vulcan Lethbridge to Etzikom Pincher Creek to Waterton Lakes
Kotch, S.	Shaughnessy	Lethbridge to Turin
Lock and Cleary, F. H.	Lacombe	Lacombe to Coronation Lacombe to Rimbey
Latimer, R. F.	Thorhild	Edmonton to Thorhild
McMorris, George	Calgary	Calgary to Milo and Lomond
Midland Bus Lines, Ltd.	Edmonton	Edmonton to Lloydminster Edmonton to Wildwood Edmonton to Cold Lake
Monden, Felix	Calgary	Calgary to Hartell
Northland Rapid Transit Co.	Edmonton	Edmonton to Barrhead
Nikiforuk, P.	Breton	Edmonton to Breton
Ransom & Pepper	Edmonton	Edmonton to Cold Lake
Red Bus Lines	Carbon	Beiseker to Trochu and Stettler Calgary, Drumheller and Alsask Carbon Central Service Stations
Sorensen Bus Lines	Red Deer	Red Deer to Sylvan Lake and Rocky Mountain House
Sunburst Motor Coaches	Edmonton	Edmonton to Viking and Sask. boundary, via Hardisty Edmonton to Smoky Lake Wetaskiwin to Hardisty
Van Wert, T.	Medicine Hat	Medicine Hat to Redcliffe

LICENSES CANCELLED

The following licenses were cancelled by discontinuance of operation.

Duncan, R. J.	August, 1934	Medicine Hat to Sask. boundary
Johnson, D. T.	February, 1934	Lethbridge to High River via Vulcan
Nikiforuk, P.	May 15th, 1934	Edmonton to Breton
Ransom & Pepper	Sept. 7, 1934	Edmonton to Cold Lake

These licenses were almost immediately taken up by other operators. The Central Canadian Greyhound Lines Ltd., extended to Calgary—Medicine Hat route to the Saskatchewan boundary and took over the route from Lethbridge to High River via Vulcan. The Canadian Coachways operated from Edmonton to Breton for the remainder of the season and the Midland Bus Lines, Ltd., from Edmonton to Cold Lake.

A distinct improvement was noticeable in Public Vehicle operation during the year. Better equipment was provided especially by the larger Companies. East and West Lines were extended to the Saskatchewan boundary affording connection, and through transportation to Saskatoon, Regina and Winnipeg. Operators appear to be making a determined effort to maintain schedules especially on gravel surfaced roads. The mileage covered on gravel surfaced roads during the calendar year was 1,809,571, and on dirt roads, 401,249, a total of 2,210,820 miles and an increase over the previous year of 501,616 miles. The mileage operated was 94.6% of the possible according to schedule.

The total number of passenger miles was 33,352,257. Seventy-four busses were licensed with an aggregate carrying capacity of 912.

PROVINCIAL GAOL—FORT SASKATCHEWAN

(J. D. McLEAN, *Warden*)

The daily average population of this Institution for the fiscal year ending March 31st, 1935, was 306, being a decrease of 19.4 over the previous year.

The Medical Officer carried out the usual monthly inspection of all parts of the Institution and reports the maintenance of the usual high standard of cleanliness and sanitary conditions. The general health of the inmates was excellent. No epidemics developed and there were no deaths recorded.

Classes in elementary education were continued. These classes are very much appreciated by those taking advantage of the opportunity.

The usual buildings maintenance work was carried out under the supervision of our carpenter.

A considerable increase in Gaol revenue is noted as a result of farm operation.

Grain yields were much higher than for the previous year, but the quality was considerably damaged by the unusual early fall frost. This was particularly true in regard to coarse grains. Much of this grain was fed during the winter months and a very substantial profit realized.

Farm crops yielded:—

15,800 bushels of Wheat
14,397 bushels of Oats
9,332 bushels of Barley
125 tons of green feed
60 tons of Timothy
and an abundance of vegetables.

FINANCIAL STATEMENT—Summary

Administration	\$ 67,582.78
Maintenance and operation	25,008.07
Gross Cost	\$ 92,590.85
Less Revenue	15,169.35
Net Cost	\$ 77,421.50
Average Daily Population	306
Per Capita Cost per Prisoner per Day	69.3
Per Capita Cost per Prisoner per Year	253.01
Net per Capita Cost per Day	61.70

ANNUAL REPORT OF PRISONERS FOR THE YEAR ENDING MARCH 31st, 1935

MALE

Month	Admitted		Discharged	
	Comm.	Sent.	Comm.	Sent.
April, 1934	6	94	8	108
May, 1934	8	138	8	111
June, 1934	17	120	17	130
July, 1934	16	95	17	103
August, 1934	17	89	17	98
September, 1934	17	99	14	90
October, 1934	23	139	23	139
November, 1934	22	88	17	92
December, 1934	13	106	15	92
January, 1935	12	71	16	83
February, 1935	27	79	25	104
March, 1935	11	64	11	69
	189	1,182	188	1,219

Total number of Male prisoners admitted 1,371
Total number of Male prisoners discharged 1,407

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	Comm.	Sent.
Male prisoners in Gaol at March 31st, 1934	6	237
Male prisoners admitted during year ending March 31st, 1935	189	1,182
	195	1,419
Male prisoners discharged during year ending March 31st, 1935....	188	1,219
	7	200
Male prisoners in Gaol as at March 31st, 1935		207
Total prisoners in Gaol as at March 31st, 1935. Males		207
Daily Average Male Prisoners for the year ending March 31st, 1935		236.11

REMISSIONS

Number of prisoners receiving full remission	833
Number of prisoners receiving part remission	13
Number of prisoners receiving no remission	561
(Not entitled to remission or fines paid)	1,407
Number of days remission earned during year ending March 31, 1935.....	9327
Number of prisoners participating during year ending March 31, 1935.....	844
Average number of days earned (remission), per man, March 31, 1935	11.05

SENTENCES

Under thirty days	300	Nine months to twelve months..	50
Thirty days to two month	403	One year to two years	37
Two months to three months	137	Three years	1
Three months to four months	84	To be hanged	4
Four months to six month	96		
Six months to nine months	70		1,182

DISCHARGES

Time expired	1,060	Deported	6
Released fine paid	17	Transferred to R.C.M.P.	19
Released on parole	60	Transferred to Hospital	3
Released for trial	172	Sentence reduced	4
Released on further charges	12	Transferred to Ponoka	3
Released by Immigration Dept.	7	Conviction quashed	5
Released by Attorney General..	6	Hanged	3
Released as witness	12	Transferred to Prince Albert ...	6
Released on bail	12		1,407

COUNTRY OF BIRTH

Canada	580	Holland	2
U.S.A.	84	Denmark	8
England	59	Switzerland	5
Ireland	30	Czecho-Slovakia	14
Scotland	28	Jugo-Slavia	2
Wales	4	Lithuania	5
Austria	81	China	2
Poland	109	Hungary	11
Russia	30	Newfoundland	1
Germany	17	Galicia	2
Norway	22	Bohemia	2
Sweden	25	India	1
Roumania	20	Syria	1
Ukrania	21	Finland	9
Italy	7		1,182
British	702		
Foreign	480		
	1,182		

AGES

Under twenty years	114	Fifty to sixty years	85
Twenty to thirty years	475	Sixty to seventy years	24
Thirty to forty years	308	Over seventy years	4
Forty to fifty years	172		1,182

CRIMES

AGAINST RELIGION AND MORALS

Vagrancy	132	Living Avails Prostitution	2
Bigamy	2	Keep Disorderly House	2
Carnal knowledge	6	Inmate of Bawdy House	2
Indecent Act	6	Attempted Buggery	1
Juvenile Delinquency Act	17	Incest	1
Seduction	4		
Sexual Immorality	1		176

DEPARTMENT OF PUBLIC WORKS

		Carried forward	176
AGAINST THE PERSON			
Assault	73	Threaten to Shoot	1
Assault Causing Greivous		Perjury	1
Bodily Harm	17	Wound with intent to murder..	1
Indecent Assault	6	Recognizance	1
Non-Support	5	Murder	4
Neglected Children's Act	4		
			113

AGAINST PUBLIC LAW AND ORDER			
Obstructing a Peace Officer	1	Intimidation	2
Illegal Possession of Firearms....	5	Obstructing Mail Carrier	1
Creating a Disturbance	1	Representing Peace Officer	2
Perjury	1		
Unlawful Assembly	1		14

AGAINST ANY OTHER ACT			
Liquor Act	166	Immigration Act	1
Excise Act	73	Veterinary Act	1
Railway Act	171	Drug and Narcotic Act	1
Theatre Act	1	Breach of Post Office Act	1
Vehicle and Highway Traffic Act ..	16	Prevention of Cruelty to	
Possession of Stray Animals.....	3	Children Act	1
Game Act	18	Possession of Coin Mold	2
Alimony Enforcement Act	2	Dominion Fisheries Act	1
Domestic Animal Act	9	Fail to Keep	1
Indian Act	3	Prairie Fires Act	2
Indian Relations Act	1		
			474

AGAINST PROPERTY			
Theft	158	Rescuing cattle from pound	1
Theft of Money	11	Conversion	5
Theft of Grain	24	Stolen cattle	2
Theft of Live Stock	26	Fraud	1
Theft of Car	3	Drunk in charge of car	9
Attempted theft	1	Robbery	3
Break enter and theft	33	Pointing gun at person	4
Forgery	11	Selling horse without owner's	
Uttering	4	consent	1
Forgery and uttering	2	Diverting electric current	1
False pretences	38	Failing to omit	1
Possession of stolen goods	27	Setting fire to building	1
Willfully damage property	8	Fabricating evidence	2
Fraudulently obtain food	20		
Failure to pay costs	1		405
Intimidation	5		
Arson	2	TOTAL	1,182

FEMALE PRISONERS

NUMBER OF FEMALE PRISONERS ADMITTED AND DISCHARGED
YEAR ENDING MARCH 31st, 1935

Month	Admitted		Discharged	
	Comm.	Sent.	Comm.	Sent.
April, 1934	---	6	---	7
May, 1934	---	12	---	13
June, 1934	3	21	2	9
July, 1934	2	15	1	14
August, 1934	3	8	1	20
September, 1934	2	10	5	10
October, 1934	2	15	3	7
November, 1934	3	10	---	15
December, 1934	2	14	3	15
January, 1935	2	14	2	8
February, 1935	2	6	1	12
March, 1935	---	9	2	11
	21	140	20	141
Total number of female prisoners admitted			161	
Total number of female prisoners discharged			161	
			Comm.	Sent.
Female prisoners in Gaol as at March 31st, 1934			0	16
Female prisoners admitted during year ending March 31st, 1935			21	140
			21	156
Female prisoners discharged during year ending March 31st, 1935....			20	141
			1	15
Female prisoners in Gaol as at March 31st, 1935				16
Total female prisoners in Gaol as at March 31st, 1935				18.75
Daily average for year ending March 31st, 1935				

DISCHARGES DURING YEAR ENDING MARCH 31st, 1935

Time expired	110	Released by Doctor Orr	12
Released fine paid	2	Transferred to R.C.M.P.	4
Released for trial	19	Transferred to Ponoka	4
Released on bail	3	Transferred to Hospital	1
Released as witness	1		
Released on parole	5		161

REMISSIONS

Number of prisoners earning full remission during year	101
Number of prisoners receiving part remission during year	1
Number of prisoners not entitled to remission during year	59
	161
Number of days remission earned during year ending March 31st, 1935	585
Number of prisoners participating during year ending March 31st, 1935.....	102
Average number of days remission per prisoner during year ending March 31st, 1935	5.75

COUNTRY OF BIRTH

Canada	83	Roumania	2
U.S.A.	24	Russia	1
England	6		140
Ireland	1		
Scotland	1		
Austria	5	British	91
Poland	10	Foreign	49
Ukraine	6		140
Germany	1		

AGES

Under twenty years	13	Fifty to sixty years	8
Twenty to thirty years	63	Sixty to seventy years	1
Thirty to forty years	34		140
Forty to fifty years	21		

SENTENCES

Under thirty days	27	Six months to nine months	1
Thirty days to two months	62	Nine months to twelve months..	3
Two months to three months	20	Veneral disease indefinite	15
Three months to four months	4	To be hanged	1
Four months to six months	7		140

CRIMES

AGAINST RELIGION AND MORALS

Vagrancy	27	Sexual immorality	1
Keeping disorderly house	9	Attempted suicide	2
Inmate disorderly house	5	Inmate of bawdy house	5
Keeping a bawdy house	1		50

AGAINST THE PERSON

Assault	5	Actual bodily harm	1
Murder	1		8
Robbery while armed	1		

AGAINST PROPERTY

Theft	19	Theft of money	2
Theft of grain	1		23
Possession of stolen property	1		

AGAINST PUBLIC LAW AND ORDER

Obstructing peace officer	1
Unlawful possession of weapon	1
	2

AGAINST ANY OTHER ACT

Liquor Act	26	Cruelty to Animals	1
Excise Act	13		57
V.D. Act	15		
Indian Act	1		
Irrigation Act	1	GRAND TOTAL	140

PROVINCIAL GAOL—LETHBRIDGE

(G E. BLAKE, *Warden*)

The daily average population of this Institution for the fiscal year ending March 31st, 1935, was 163.66 being a decrease of 4.89 from that of the previous year.

The usual Maintenance work was carried out. There was no construction of major importance.

Farm operations gave the following results:

	Acres	Bushels	Tons
Wheat	130	3,928	.....
Oats	120	6,785	.....
Barley	67	2,340	.....
Hay	280	.....	600
Sugar Beets	20	.....	184
Potatoes	35	.....	220
Vegetables	12	.....	90
Turnips	8	.....	40

Six acres of Mangels were planted but all destroyed by black fly.

FINANCIAL STATEMENT

Summary

Administration	\$ 49,974.20
Maintenance and Operation	20,832.60
Gross	\$ 70,806.80
Less Revenue	10,357.34
	<u>\$ 60,449.46</u>
Average daily population	163.66
Per capita cost per prisoner per day	1.012
Per capita cost per prisoner per year	369.36
Net per capita cost per day	95.86

ANNUAL REPORT OF PRISONERS FOR THE YEAR ENDING MARCH 31st, 1935

Month	Daily Average	Admitted			Discharged		
		Sent.	Rem.	Com.	Sent.	Rem.	Com.
On hand April 1st, 1934	156	1	3				
April, 1934	173.9	122	8	11	114	11	5
May, 1934	182.7	183	9	2	172	8	7
June, 1934	173.3	152	4	1	154	2	1
July, 1934	170.4	146	6	2	145	4	2
August, 1934	166.2	126	12	7	147	16	5
September, 1934	147.8	102	5	2	97	3	3
October, 1934	176.3	170	6	7	144	8	3
November, 1934	163.3	115	8	22	146	5	24
December, 1934	143.1	63	5	8	85	5	4
January, 1935	149.03	60	4	14	42	6	13
February, 1935	159.7	57	0	16	55	0	13
March, 1935	158.2	61	4	8	82	3	16
Monthly average	163.66	1,513	72	103	1,383	71	96
Total number of prisoners admitted during year 1934-35							1,688
Total number of prisoners discharged during year 1934-35							1,550
					Sent.	Rem.	Com.
Number of prisoners in Gaol on April 1st, 1934					156	1	3
Number of prisoners admitted during 1934-1935					1,357	71	100
					<u>1,513</u>	<u>72</u>	<u>103</u>
Number of prisoners discharged during 1934-35					1,383	71	96
Number of prisoners in Gaol on March 31st, 1935					130	1	7
					<u>1,513</u>	<u>72</u>	<u>103</u>
Number of prisoners who have served previous sentences							694

REMISSIONS

Number of days of remission earned during 1934-35	6,015
Number of prisoners participating	600
Number of days of remission per prisoner	10.02

SENTENCES

Under thirty days	864	Two years, less one day	14
Thirty days to two months	306		
Two months to three months	66		1,574
Three months to four months	118	Committed for trial	52
Four months to five months	16	Remanded for trial	53
Five months to six months	9		105
Six months to nine months	76	Awaiting appeal	2
Nine months to one year	15	Sent to Prince Albert	
One year to eighteen months	64	Penitentiary	7
Eighteen months to twenty-three months	26		9
			1,688

DISCHARGES

Completion of sentence	1,268	To the Prince Albert	
Deported	10	Penitentiary	7
Fine and costs paid	9	Escaped	1
Paroled	13	Escaped and recaptured	5
Released on bail	1	By a Judge's Order	4
By the Governor General	14	To the Galt Hospital	19
By the Attorney General	2	To the Keith Sanitarium	1
By the Immigration Comm.	3	By Order of the Gaol Surgeon	5
Discharged to Court	178		
To the Ponoka Mental Hospital	10		1,550

COUNTRY OF BIRTH

Australia	2	Macedonia	1
Canada	951	Mesopotamia	1
England	162	Mexico	1
Ireland	41	Norway	25
Newfoundland	1	Peru	1
Scotland	109	Poland	22
Wales	10	Roumania	18
Austria	52	Russia	41
Belgium	2	Siberia	1
China	10	South Africa	1
Czecho-Slovakia	18	Servia	1
Denmark	9	Sweden	12
Estonia	1	Switzerland	2
Finland	13	Ukraine	3
France	3	United States	102
Germany	17		1,688
Hungary	44		
Holland	3	British	1,276
Italy	5	Foreign	412
Japan	1		1,688
Lithuania	2		

AGES

Under twenty years	247	Fifty to sixty	65
Twenty to thirty years	788	Sixty to seventy	21
Thirty to forty	377	Over seventy	4
Forty to fifty	186		
			1,688

CRIMES

AGAINST RELIGION AND MORALS

Bigamy	1	Incest	3
Contributing to Child		Indecent Act	2
Delinquency	4	Disorderly conduct	4
Seduction	2	Vagrancy	369
Living off the avails of		Keeping disorderly house	1
Prostitution	5		
			391

AGAINST THE PERSON

Assault	33	Attempted suicide	1
Indecent Assault	1	Non-support	4
Occasioning bodily harm	22	Defamatory libel	1
On a peace officer	3	Carnal knowledge of a girl be-	
Attempted murder	1	tween the ages of 14 and 16	
Murder	3	years	12
Manslaughter	1		85

AGAINST PUBLIC LAW AND ORDER

Offensive weapons	9	Fabricated evidence	1
Escaping lawful custody	5	Default of costs	3
Perjury	7		27
Resisting arrest	2		

AGAINST ANY OTHER ACT

The Excise Act	33	The Vehicles and Highway	
The Immigration Act	5	Traffic Act	10
The Indian Act	31	The Fire Prevention Act	1
The Opium and Narcotic Act...	8	Offences against Municipal By-	
The Railway Act	493	Laws	3
The Game Act	1		729
The Liquor Act	144		

AGAINST PROPERTY

Attempted breaking and enter-		Receiving stolen property	38
ing	5	Robbery	16
Breaking and entering with		Arson	3
theft	45	Conspiracy to Arson	3
Breaking and entering with		Wilful Damage	11
intent	11	Cruelty to animals	4
False pretences	31	Theft	234
Fraud	37		456
Forgery	15		
Forging and uttering	3		1,688